FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : INTERNAL COMBUSTION EQUIPMENT					
System 1 : BUILDING 150					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 160 BHP A/N: 288576	D2		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, B61.3, D12.2, E448.1, H23.9, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 377 BHP A/N: 458450	D3		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, B61.3, D12.2, E448.2, H23.9, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DETROIT DIESEL, MODEL NO. 6063-TK35, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 550 BHP A/N: 458447	D154		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B59.1, B61.3, D12.2, E448.2, H23.9, K67.10
System 2 : BUILDING 159					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 192 BHP A/N: 458449	D4		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, B61.3, D12.2, E448.2, H23.9, K67.10
System 3 : BUILDING 199					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 187 BHP A/N: 458448	D5		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, B61.3, D12.2, E448.2, H23.9, K67.10

* (1)(1A)(1B)Denotes RECLAIM emission factor
(2)(2A)(2B)Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5)(5A)(5B)Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
(9) See App B for Emission Limits
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FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : INTERNAL COMBUSTION EQUIPMENT					
System 4 : BUILDING 202					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 302 BHP A/N: 285226	D6		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, B61.3, D12.2, D135.1, E448.1, H23.9, K67.10
System 5 : BUILDING 230					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 2151 BHP A/N: 458445	D7		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, C1.1, C177.1, H23.11, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 2151 BHP A/N: 458444	D8		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, C1.1, C177.1, H23.11, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 2151 BHP A/N: 458443	D9		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, C1.1, C177.1, H23.11, K67.10
System 6 : BUILDING 268					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, 170 BHP A/N: 285227	D10		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, B61.3, D12.2, D135.1, E448.1, H23.9, K67.10

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(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : INTERNAL COMBUSTION EQUIPMENT					
System 7 : BUILDING 277					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, 90 BHP A/N: 249455	D11		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.3, D12.2, D135.1, E448.1, H23.9, K67.10
System 8 : BUILDING 298					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NATURAL GAS, 450 BHP A/N: 285413	D13		NOX: PROCESS UNIT**	**NOX:** 3400 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	C1.1, D135.1, K67.10
System 9 : BUILDING 301					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH TURBOCHARGER, 186 BHP A/N: 458442	D14		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	C1.1, H23.11, K67.10
System 10 : BUILDING 302					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 535 BHP A/N: 458452	D15		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, B61.3, D12.2, E448.3, H23.9, K67.10

* (1)(1A)(1B) Denotes RECLAIM emission factor
(2)(2A)(2B) Denotes RECLAIM emission rate
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(4) Denotes BACT emission limit
(5)(5A)(5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : INTERNAL COMBUSTION EQUIPMENT					
System 11 : BUILDING 308					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NATURAL GAS, PROPANE, WITH TURBOCHARGER, 132 BHP A/N: 366520	D16		NOX: PROCESS UNIT**	**NOX:** 139 LBS/1000 GAL PROPANE (5) **[RULE 2012,5-6-2005]** ; **NOX:** 3400 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	C1.1, E114.1, K67.10
System 13 : BUILDING 310					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 568 BHP A/N: 458451	D18		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, B61.3, C1.1, C177.1, H23.12, K67.10
System 14 : BUILDING MESA					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, GASOLINE, 61 BHP A/N: 289485	D19		NOX: PROCESS UNIT**	**NOX:** 102 LBS/1000 GAL GASOLINE (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	C1.1, E114.1, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, 337 BHP A/N: 323269	D20		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.3, D12.2, E448.1, H23.9, K67.10

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : INTERNAL COMBUSTION EQUIPMENT					
System 15 : BUILDING 249					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, 68 BHP A/N: 458453	D138		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B61.1, B61.3, D12.2, E448.3, H23.9, K67.10
System 16 : EAST GATE					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, JOHN DEERE, MODEL NO. 3029TF150, DIESEL FUEL, 64 BHP A/N: 458446	D155		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]**	B59.1, B61.3, D12.2, E448.2, H23.9, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, KOHLER, MODEL NO. 100RZG, NATURAL GAS, WITH A THREE-WAY CATALYTIC CONVERTOR, JOHNSON MATTHEY, MODEL NO. CXX6-3, 144 BHP A/N: 436668	D159		NOX: PROCESS UNIT**	**CO:** 2 GRAM/BHP-HR NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996;***RULE 1303(a)(1)-BACT,12-6-2002***]** ; **NOX:** 3400 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** **NOX:** 1.5 GRAM/BHP-HR NATURAL GAS (4) **[RULE 2005,5-6-2005]** ; **PM:** (9) **[RULE 404,2-7-1986]** ; **VOC:** 1.5 GRAM/BHP-HR NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996** *RULE 1303(a)(1)-BACT,12-6-2002*]	C1.1, C1.8, D12.1, E71.4, K67.10

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(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : INTERNAL COMBUSTION EQUIPMENT					
System 17 : BUILDING 179					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, JOHN DEERE, MODEL NO. 6068HF485T, DIESEL FUEL, WITH AFTERCOOLER, TURBOCHARGER, 315 BHP A/N: 468704	D164		NOX: PROCESS UNIT**	**CO:** 2.6 GRAM/BHP-HR (4) **[RULE 1303(a)(1)-BACT,5-10-1996;***RULE 1303(a)(1)-BACT,12-6-2002*] ; **NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-6-2005]** **NOX + ROG:** 3 GRAM/BHP-HR (4) **[RULE 1303(a)(1)-BACT,5-10-1996;***RULE 1303(a)(1)-BACT,12-6-2002;***RULE 2005,5-6-2005]** ; **PM:** 0.15 GRAM/BHP-HR (4) **[RULE 1303(a)(1)-BACT,5-10-1996** *RULE 1303(a)(1)-BACT,12-6-2002*] ; **PM:** (9) **[RULE 404,2-7-1986]**	B59.1, B61.3, D12.2, E448.2, H23.9, K67.10
Process 2 : EXTERNAL COMBUSTION EQUIPMENT					
System 2 : BUILDING 161					
BOILER, RITE, MODEL NO. 300X, NATURAL GAS, 3 MMBTU/HR WITH A/N: 295375	D22		NOX: PROCESS UNIT**	**CO:** 400 PPMV NATURAL GAS (5A) **[RULE 1146.1,5-13-1994]** ; **CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **NOX:** 38.46 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]**	D332.1

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(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : EXTERNAL COMBUSTION EQUIPMENT					
BURNER, ALZETA PYROMAT, MODEL NO. SB505/60IGC, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR				**PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]**	
BOILER, RITE, MODEL NO. 300X, NATURAL GAS, 3 MMBTU/HR WITH A/N: 295383 BURNER, ALZETA PYROMAT, MODEL NO. SB505/60IGC, NATURAL GAS, WITH LOW EXCESS AIR FIRING, 3 MMBTU/HR	D23		NOX: PROCESS UNIT**	**CO:** 400 PPMV NATURAL GAS (5A) **[RULE 1146.1,5-13-1994]** ; **CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **NOX:** 38.46 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** **PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]**	D332.1

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : EXTERNAL COMBUSTION EQUIPMENT					
System 4 : BUILDING 168					
BOILER, AJAX, MODEL NO. WGB2500, NATURAL GAS, 2.5 MMBTU/HR WITH A/N: 295382 BURNER, ALZETA PYROMAT, MODEL NO. SB505/50IGC, NATURAL GAS, WITH LOW NOX BURNER, 2.5 MMBTU/HR	D26		NOX: PROCESS UNIT**	**CO:** 400 PPMV NATURAL GAS (5A) **[RULE 1146.1,5-13-1994]** ; **CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **NOX:** 38.46 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** **PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]**	D332.1
System 5 : BUILDING 171					
BOILER, AJAX, MODEL NO. WGB2250D, NATURAL GAS, 2.1 MMBTU/HR WITH A/N: 322821	D27		NOX: PROCESS UNIT**	**CO:** 400 PPMV NATURAL GAS (5A) **[RULE 1146.1,5-13-1994]** ; **CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **NOX:** 38.46 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** **PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]**	D332.1

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(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : EXTERNAL COMBUSTION EQUIPMENT					
BURNER, NATURAL GAS, WITH LOW NOX BURNER, 3 TOTAL; 2.1 MMBTU/HR					
BOILER, AJAX, MODEL NO. WGB2250D, NATURAL GAS, 2.1 MMBTU/HR WITH A/N: 322825 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 3 TOTAL; 2.1 MMBTU/HR	D28		NOX: PROCESS UNIT**	**CO:** 400 PPMV NATURAL GAS (5A) **[RULE 1146.1,5-13-1994]** ; **CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **NOX:** 38.46 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** **PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]**	D332.1
System 6 : BUILDING 180					
BOILER, FULTON, MODEL NO. ICS60, NATURAL GAS, NO. 1, 2.52 MMBTU/HR WITH A/N: 297842	D29		NOX: PROCESS UNIT**	**CO:** 400 PPMV NATURAL GAS (5A) **[RULE 1146.1,5-13-1994]** ; **CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **NOX:** 38.46 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** **PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]**	D332.1

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Process 2 : EXTERNAL COMBUSTION EQUIPMENT					
BURNER, NATURAL GAS, WITH LOW NOX BURNER, 2.52 MMBTU/HR					
BOILER, FULTON, MODEL NO. ICS60, NATURAL GAS, NO. 2, 2.52 MMBTU/HR WITH A/N: 297843 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 2.52 MMBTU/HR	D30		NOX: PROCESS UNIT**	**CO:** 400 PPMV NATURAL GAS (5A) **[RULE 1146.1,5-13-1994]** ; **CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **NOX:** 38.46 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** **PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]**	D332.1
System 8 : BUILDING 238					
BOILER, AJAX, MODEL NO. WFGD3000, NATURAL GAS, 3 MMBTU/HR WITH A/N: 291526	D33		NOX: PROCESS UNIT**	**CO:** 400 PPMV NATURAL GAS (5A) **[RULE 1146.1,5-13-1994]** ; **CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **NOX:** 38.46 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** **PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]**	D332.1

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : EXTERNAL COMBUSTION EQUIPMENT					
BURNER, POWER FLAME, MODEL NO. NOVA LNCR2G20B, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR					
Process 3 : SURFACE COATING EQUIPMENT					
System 4 : COATING OPERATION, BLDG. 18					
SPRAY COATING OPERATION, 8 FT. W. X 8 FT. H. X 6 FT.-9 IN. D., WITH SPRAY BOOTH A/N: 354582	D38			**PM:** (9) **[RULE 404,2-7-1986]** ; **VOC:** (9) **[RULE 1107,11-9-2001;***RULE 1107,1-6-2006;***RULE 1124,9-21-2001;RULE 1145,2-14-1997** *RULE 1145,12-3-2004;***RULE 1171,11-7-2003;***RULE 1171,7-14-2006***]**	A63.1, C6.1, D322.1, E175.1, H23.1, K67.3
Process 4 : DEGREASING/CLEANING EQUIPMENT					
System 3 : BUILDING 103					
CLEANER, MICROCEL CENTRIFUGAL SYSTEM, 38 IN. W. X 75 IN. L. X 67 IN. H., 28 GALLON CAPACITY A/N: 375751	D137				H23.4

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5 : FUEL STORAGE AND DISPENSING					
FUEL DISPENSING NOZZLE, BELLOWS-LESS, PHASE II CARB ENHANCED VAPOR RECOVERY SYSTEM, GASOLINE, HEALY PHASE II EVR SYSTEM INCLUDING VEEDER-ROOT ISD SYSTEM (VR-202-A) A/N:	D68				J110.1, J121.1, J373.1, J373.2, J373.3, J373.4
STORAGE TANK, UNDERGROUND, CARB ENHANCED VAPOR RECOVERY PHASE I, GASOLINE, WITH VAPOR RECOVERY SYSTEM, 10000 GALS A/N:	D69				C1.7, J109.1, J373.2, J373.3, J373.4, K67.1
Process 6 : CIRCUIT BOARDS R & D					
System 1 : BUILDING 103					
SOLDER MACHINE, GPD GLOBAL LTS-1000APC SOLDER DIP TINNING, WITH VAPOR PHASE REFLOW SYSTEM, R&D TECHNICAL SERVICES, MODEL NO. RD2, 7.1 KW A/N: 401919	D75				A63.2, B27.2
Process 7 : MICRO-DEVICES R & D					P13.1
System 1 : BUILDING 302					S1.1
DEPOSITION REACTOR, THOMAS SWAN, MODEL NO. EPITOR II, METAL ORGANIC VAPOR PHASE EPITAXY A/N: 346766	D83	C128			K67.2

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : MICRO-DEVICES R & D					P13.1
System 3 : BUILDING 302					S1.2
ETCHER, REACTIVE ION, PLASMA FAB A/N: 454660	D90	C131			
ETCHER, PLASMA TECH, REACTIVE ION A/N: 454660	D101	C131			
DEPOSITION REACTOR, MICROSCIENCE, CHEMICAL VAPOR DEPOSITION A/N: 454660	D103	C127			
DEPOSITION REACTOR, GSI, CHEMICAL VAPOR DEPOSITION A/N: 454660	D104	C127			
DEPOSITION REACTOR, GLASS TECH, CHEMICAL VAPOR DEPOSITION A/N: 454660	D105	C127			
DEPOSITION REACTOR, JPL, CHEMICAL VAPOR DEPOSITION A/N: 454660	D106	C127			
FURNACE, THERMCO, MINI BRUTE, DIFFUSION A/N: 454660	D108	C127			
FURNACE, THERMCO, MINI BRUTE, DIFFUSION A/N: 454660	D109	C127			

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : MICRO-DEVICES R & D					P13.1
FURNACE, THERMCO, MINI BRUTE, DIFFUSION A/N: 454660	D110	C127			
FURNACE, TYSTAR, TYTAN, LPCVD A/N: 454660	D117	C131			
FURNACE, TYSTAR, TYTAN, LPCVD A/N: 454660	D118	C127			
FURNACE, TYSTAR, TYTAN, LPCVD A/N: 454660	D119	C127			
FURNACE, TYSTAR, TYTAN, LPCVD A/N: 454660	D120	C127			
DEPOSITION REACTOR, PLASMA THERM, MODEL NO. 790, PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION A/N: 454660	D124	C127			
ETCHER, PLASMA THERM, MODEL NO. SLR770, ELECTRON CYCLOTRON A/N: 454660	D125	C131			
ETCHER, SURFACE TECHNOLOGY, MULTIPLEX INDUCTIVELY COUPLED A/N: 454660	D126	C131			
ETCHER, REACTIVE ION, CHLORINE, UNAXIS, MODEL NO. SLN-ICP A/N: 454660	D160	C131			B27.4
ETCHER, REACTIVE ION, FLUORINE, UNAXIS, MODEL NO. SLN-ICP A/N: 454660	D161	C131			

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : MICRO-DEVICES R & D					P13.1
FURNACE, WET OXIDATION, TYSTAR, MODEL NO. MINI TYTAN 4600 A/N: 454660	D162	C131			
FURNACE, LPCVD, TYSTAR, MODEL NO. MINI TYTAN 4600 A/N: 454660	D163	C127			B27.5
System 4 : BUILDING 302					
DEGREASER, AIRLESS, AIR-TIGHT, TIYODA-SEREC, CLEANING CHAMBER DIMENSIONS: 8 IN. DIA. X 12 IN. H., 5 LBS ACTIVATED CARBON FILTER A/N: 415437	D158			**HAP:** (10) **[40CFR 63 Subpart T, #30,6-5-1995]**	A63.3, B27.3, E71.5, H23.8, K67.11
Process 8 : AIR POLLUTION CONTROL					
System 1 : BUILDING 302					
INCINERATOR, CONTROLLED DECOMPOSITION OXIDATION UNITS, 14 TOTAL, EACH DELATECH, MODEL NO. 805, 3 KVA A/N: 415436	C127	D103 D104 D105 D106 D108 D109 D110 D118 D119 D120 D124 C131 D163			
SCRUBBER, AIXTRON, MODEL NO. A2STE, WITH TWO ABSORPTION COLUMNS A/N: 415436	C128	D83 C131			

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8 : AIR POLLUTION CONTROL					
SCRUBBER, VIRON, MODEL NO. VHS108108FRP, WITH MIST ELIMINATOR A/N: 415436	C131	D90 D101 D117 D125 D126 C127 C128 D160 D161 D162		**PM:** (9) **[RULE 404,2-7-1986]**	C8.1, C8.2, K67.4
Process 10 : R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, LAMINATING EQUIPMENT, LOW USE OR EMISSIONS	E140			**VOC:** (9) **[RULE 1168,10-3-2003;***RULE 1168, 1-7-2005;***RULE 1171,11-7-2003;***RULE 1171, 7-14-2006***]**	H23.5
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E141				H23.2
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS,	E142				H23.3
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, < = 53 FT3, WITH DUST FILTER	E143			**PM:** (9) **[RULE 1140,2-1-1980;***RULE 1140, 8-2-1985;***RULE 404,2-7-1986;RULE 405,2-7-1986]**	D322.3, D381.1, E102.1, K67.5
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT	E144				H23.4

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10 : R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E145			**VOC:** (9) [**RULE 1107,11-9-2001;***RULE 1107, 1-6-2006;***RULE 1124,9-21-2001;RULE 1171,11-7-2003;***RULE 1171, 7-14-2006***]**	H23.5
RULE 219 EXEMPT EQUIPMENT, FOAM PACKAGING EQUIPMENT USING < = 20 GPD	E146				
RULE 219 EXEMPT EQUIPMENT, EQUIPMENT USED FOR THE TRANSFER OF < 20,000 GPD OF UNHEATED ORGANIC MATERIAL	E147				
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E148				H23.3
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E149				H23.3
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E150			**VOC:** (9) [**RULE 1171,11-7-2003;***RULE 1171, 7-14-2006***]**	H23.5
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E151			**VOC:** (9) [**RULE 1113,11-8-1996;***RULE 1113, 6-9-2006;***RULE 1171,11-7-2003;***RULE 1171, 7-14-2006***]**	K67.6

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(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10 : R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, SMALL BOILERS, WATER HEATERS AND PROCESS HEATERS, > 1 MMBTU/HR AND < = 2 MMBTU/HR	E152			**CO:** 400 PPMV (5A) **[RULE 1146.2,1-9-1998;***RULE 1146.2,1-7-2005*] ; **CO:** 2000 PPMV (5) **[RULE 407,4-2-1982]** ; **PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]**	
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E153				H23.10

* (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: DEVICE ID INDEX

The following sub-section provides an index to the devices that make up the facility description sorted by device ID.

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: DEVICE ID INDEX

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D8	2	1	5
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D11	3	1	7
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D14	3	1	9
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D18	4	1	13
D19	4	1	14
D20	4	1	14
D22	6	2	2
D23	7	2	2
D26	8	2	4
D27	8	2	5
D28	9	2	5
D29	9	2	6
D30	10	2	6
D33	10	2	8
D38	11	3	4
D68	12	5	0
D69	12	5	0
D75	12	6	1
D83	12	7	1
D90	13	7	3
D101	13	7	3
D103	13	7	3
D104	13	7	3
D105	13	7	3
D106	13	7	3

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: DEVICE ID INDEX

Device Index For Section D			
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D109	13	7	3
D110	14	7	3
D117	14	7	3
D118	14	7	3
D119	14	7	3
D120	14	7	3
D124	14	7	3
D125	14	7	3
D126	14	7	3
C127	15	8	1
C128	15	8	1
C131	16	8	1
D137	11	4	3
D138	5	1	15
E140	16	10	0
E141	16	10	0
E142	16	10	0
E143	16	10	0
E144	16	10	0
E145	17	10	0
E146	17	10	0
E147	17	10	0
E148	17	10	0
E149	17	10	0
E150	17	10	0
E151	17	10	0
E152	18	10	0
E153	18	10	0
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D158	15	7	4
D159	5	1	16
D160	14	7	3
D161	14	7	3
D162	15	7	3

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: DEVICE ID INDEX

Device Index For Section D			
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FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F1.1 The operator shall limit the material processed to no more than 1 ton(s) in any one year.

For the purpose of this condition, material processed shall be defined as the total of all non-ferrous metals melted at this facility.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.

[RULE 1407, 7-8-1994]

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become e ective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]

PROCESS CONDITIONS

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

P13.1 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
VOC	District Rule	1164

[RULE 109, 5-2-2003; RULE 1164, 1-13-1995]

[Processes subject to this condition : 7]

SYSTEM CONDITIONS

S1.1 The operator shall limit the material processed to no more than 800 cubic feet per year.

For the purpose of this condition, material processed shall be defined as the total quantity of 100 percent Arsine used.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Systems subject to this condition : Process 7, System 1]

S1.2 The operator shall limit the material processed to no more than 400 cubic feet per year.

For the purpose of this condition, material processed shall be defined as the total quantity of 50 percent Arsine used.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Systems subject to this condition : Process 7, System 3]

DEVICE CONDITIONS

A. Emission Limits

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 2.25 LBS IN ANY ONE DAY

[RULE 1303(b)(2)-O set, 5-10-1996]

[Devices subject to this condition : D38]

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 4.8 LBS IN ANY ONE DAY

[RULE 1303(b)(2)-O set, 5-10-1996]

[Devices subject to this condition : D75]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 2.29 LBS IN ANY ONE MONTH

The operator shall calculate the emission limit(s) in a manner approved by the District.

[RULE 1303(b)(2)-O set, 5-10-1996; 40CFR 63 Subpart T, 12-8-2000]

[Devices subject to this condition : D158]

B. Material/Fuel Type Limits

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

B27.2 The operator shall not use materials, with the exception of those containing isopropyl alcohol and lead, containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 15-jun-2001.

[RULE 1401, 6-15-2001]

[Devices subject to this condition : D75]

B27.3 The operator shall not use materials, with the exception of those containing ethyl benzene, hexane, IPA, MEK, methanol, methylene chloride, trichloroethylene, toluene and xylene, containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 05/03/2002.

[RULE 1401, 5-2-2003]

[Devices subject to this condition : D158]

B27.4 The operator shall not use materials, with the exception of those containing chlorine, containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 03/04/2005.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D160]

B27.5 The operator shall not use materials, with the exception of those containing ammonia, containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 03/04/2005.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D163]

B59.1 The operator shall only use the following material(s) in this device :

Fuel oil with a sulfur content that complies with Rule 431.2.

[**RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D154, D155, D164]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

B61.1 The operator shall not use fuel oil containing the following specified compounds:

Compound	weight percent
Sulfur less than or equal to	0.05

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D2, D3, D4, D5, D6, D7, D8, D9, D10, D15, D18, D138]

B61.3 The operator shall not use fuel oil containing the following specified compounds:

Compound	ppm by weight
Sulfur less than or equal to	15

[RULE 1470, 3-4-2005]

[Devices subject to this condition : D2, D3, D4, D5, D6, D10, D11, D15, D18, D20, D138, D154, D155, D164]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1304(a)-Modeling and O set Exemption, 6-14-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : D7, D8, D9, D13, D14, D16, D18, D19, D159]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

C1.7 The operator shall limit the material processed to no more than 18750 gallon(s) per month.

[RULE 1303(b)(2)-O set, 5-10-1996]

[Devices subject to this condition : D69]

C1.8 The operator shall limit the operating time to no more than 50 hour(s) in any one year.

For the purpose of this condition, operating time shall be defined as maintenance and testing hours only. Operation beyond 50 hours per year for maintenance and testing is allowed only during emergencies resulting in an interruption of service of the primary power supply or during Stage II or III electrical emergencies declared by the electrical grid operator. Operators are allowed to use emergency spark-ignition engines as part of an interruptible electric service program.

An interruptible electric service program is a program in which the facility receives payment or reduced rates in return for a requirement to reduce its electric load on the grid when requested to do so by the utility, the grid operator or other organization.

[RULE 1304(a)-Modeling and O set Exemption, 6-14-1996]

[Devices subject to this condition : D159]

C6.1 The operator shall use this equipment in such a manner that the di erential pressure being monitored, as indicated below, does not exceed 0.25 inches water column.

To comply with this condition, the operator shall install and maintain a(n) di erential pressure gauge to accurately indicate the di erential pressure across the exhaust filters.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D38]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

C8.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 7 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH of the caustic solution.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C131]

C8.2 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 270 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the caustic solution supplied to the scrubber.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C131]

C177.1 The operator shall set and maintain the fuel injection timing of the engine at 4 degrees retarded relative to standard timing.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D7, D8, D9, D18]

D. Monitoring/Testing Requirements

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D12.1 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the inlet and outlet of the catalyst.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D159]

D12.2 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and O set Exemption, 6-14-1996**; RULE 1470, 3-4-2005; **RULE 2012, 5-6-2005]**

[Devices subject to this condition : D2, D3, D4, D5, D6, D10, D11, D15, D20, D138, D154, D155, D164]

D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D6, D10, D11, D13]

D322.1 The operator shall perform a weekly inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D38]

D322.3 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E143]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146.1 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D22, D23, D26, D27, D28, D29, D30, D33]

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions; and

3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E143]

E. Equipment Operation/Construction Requirements

E71.4 The operator shall only operate this equipment during emergencies resulting in an interruption of service of the primary power supply or during Stage II or III electrical emergency declared by the California Independent System Operator. The engine may also be operated for maintenance and testing purposes.

[RULE 1304(a)-Modeling and O set Exemption, 6-14-1996]

[Devices subject to this condition : D159]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E71.5 The operator shall not operate this equipment if the concentration of hydrocarbons from the carbon filter exceeds 15 ppmv, as methane, using a photo ionization detector or any other AQMD-approved method. The carbon shall be changed before this concentration is reached. Hydrocarbon concentrations shall be measured each time the equipment is in operation and records shall be maintained of the measurement dates, measured concentrations and the carbon replacement dates. These records shall be retained at the facility for at least five years.

[RULE 109, 5-2-2003; RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D158]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E143]

E114.1 The operator shall not use this equipment in conjunction with any utility voluntary demand reduction program.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D16, D19]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

Filter media at least 2 inches thick.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D38]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E448.1 The operator shall comply with the following requirements:

The engine shall not be operated more than 200 hours in any one year, which includes 20 hours in any one year for maintenance and testing.

Operation beyond the alloted time for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage.

In the event as described in the paragraph above, the engine shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in e ect.

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested by the utility or the grid operator.

[RULE 1470, 3-4-2005]

[Devices subject to this condition : D2, D6, D10, D11, D20]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E448.2 The operator shall comply with the following requirements:

The engine shall not be operated more than 200 hours in any one year, which includes 50 hours in any one year for maintenance and testing.

Operation beyond the alloted time for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage.

In the event as described in the paragraph above, the engine shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in e ect.

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested by the utility or the grid operator.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and O set Exemption, 6-14-1996**; RULE 1470, 3-4-2005; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D3, D4, D5, D154, D155, D164]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E448.3 The operator shall comply with the following requirements:

The engine shall not be operated more than 200 hours in any one year, which includes 30 hours in any one year for maintenance and testing.

Operation beyond the alloted time for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage.

In the event as described in the paragraph above, the engine shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in e ect.

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested by the utility or the grid operator.

[RULE 1470, 3-4-2005]

[Devices subject to this condition : D15, D138]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
PM	District Rule	481

[RULE 109, 5-2-2003; RULE 481, 1-11-2002]

[Devices subject to this condition : D38]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E141]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

[RULE 1415, 10-14-1994; **40CFR 82 Subpart F, 5-14-1993**]

[Devices subject to this condition : E142, E148, E149]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
ROG	District Rule	1122

[RULE 1122, 10-1-2004]

[Devices subject to this condition : D137, E144]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

[RULE 109, 5-2-2003]

[Devices subject to this condition : E140, E145, E150]

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
HAPs	40CFR63, SUBPART	T
VOC	District Rule	1122

[RULE 109, 5-2-2003; **RULE 1122, 10-1-2004**; **40CFR 63 Subpart T, 12-8-2000]**

[Devices subject to this condition : D158]

H23.9 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Sulfur compounds	District Rule	431.2
PM	District Rule	1470

[RULE 1470, 3-4-2005; **RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D2, D3, D4, D5, D6, D10, D11, D15, D20, D138, D154, D155, D164]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

H23.10 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E153]

H23.11 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Sulfur compounds	District Rule	431.2

[**RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D7, D8, D9, D14]

H23.12 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Sulfur compounds	District Rule	431.2
PM	District Rule	1470

This equipment shall be operated in compliance with Rule 1470 e ective 1/1/2008.

[RULE 1470, 3-4-2005; **RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D18]

J. Rule 461

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

J109.1 The operator shall use, except for diesel transfer, the phase I vapor recovery system in full operation whenever this equipment is in use. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 6-3-2005]

[Devices subject to this condition : D69]

J110.1 The operator shall use, except for diesel transfer, the phase II vapor recovery system in full operation whenever gasoline from this equipment is dispensed to motor vehicles as defined in Rule 461. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 6-3-2005]

[Devices subject to this condition : D68]

J121.1 The operator shall replace seals, fittings, and piping with methanol-compatible materials before the dispensing system is charged with methanol.

[RULE 1170, 5-6-1988]

[Devices subject to this condition : D68]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

J373.1 The operator shall comply with the following gasoline transfer and dispensing requirements:

a). The Phase II vapor recovery systems shall be installed, operated, and maintained such that the maximum allowable pressure through the system including nozzle, vapor hose, swivels, and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified:

Nitrogen Flowrates (CFH)	Dynamic Back Pressure (Inches of Water)
60	0.50

Within thirty days of the issuance date of this permit or within thirty days of the start of operation of the equipment, dynamic back pressure tests shall be conducted to determine the Phase II system vapor recovery back pressures. The tests shall be conducted in accordance with CARB Test Procedure Method TP-201.4. Results shall be submitted to the AQMD, Engineering and Compliance, within thirty (30) days of tests.

The AQMD shall be notified by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least twenty-four hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the dynamic back pressure test.

The test shall be conducted as frequently as that required by the most recent amendment to Rule 461 or CARB Executive Order requirements, whichever is more stringent.

[RULE 461, 6-3-2005]

[Devices subject to this condition : D68]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

J373.2 The operator shall comply with the following gasoline transfer and dispensing requirements:

Depending on the system configuration, a leak rate test of drop tube/drain valve assembly shall be conducted to quantify the pressure integrity of both the drop tube and drain valve seal or a leak rate test of drop tube overfill prevention device and drain valve shall be conducted to quantify the pressure integrity of the drop tube overfill prevention device and the pressure integrity of the spill container drain valve. Either test shall be conducted as a performance test and as a reverification test.

The test shall be conducted in accordance with test procedure method TP-201.1C or TP-201.1D, respectively. Results shall be submitted to the AQMD, O ce of Engineering and Compliance, within seventy-two (72) hours of test.

[RULE 461, 6-3-2005]

[Devices subject to this condition : D68, D69]

J373.3 The operator shall comply with the following gasoline transfer and dispensing requirements:

A leak rate and cracking pressure test of pressure/vacuum relief vent valves shall be conducted within thirty days (30) after the start of operation of the opw phase I EVR equipment and at least once every three (3) years thereafter to determine the pressure and vacuum at which the pressure/vacuum vent valve actuates, and to determine the volumetric leak rate at a given pressure.

The test shall be conducted in accordance with the test procedure method TP-201.1E. Results shall be submitted to the AQMD, O ce of Engineering and Compliance, within seventy-two (72) hours of test. This test result shall be kept on site for three (3) years and made available to District representatives upon request.

[RULE 461, 6-3-2005]

[Devices subject to this condition : D68, D69]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

J373.4 The operator shall comply with the following gasoline transfer and dispensing requirements:

All phase I and phase II vapor recovery equipment at this facility shall be installed, operated and maintained to meet all California Air Resources Board certification requirements.

A static torque test of rotatable phase I adaptors shall be conducted to quantify the amount of static torque required to start the rotation of the rotatable phase I adaptors. The test shall be conducted in accordance with the test procedure method outlined in TP-201.1B as a performance test and as a reverification test. Results shall be submitted to the AQMD, O ce of Engineering and Compliance, within seventy-two (72) hours of test.

A static pressure leak decay test shall be conducted to demonstrate that the storage tanks, the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted in accordance with CARB test procedure method TP-201.3 as a performance test and as a reverification test. Results shall be submitted to the AQMD, O ce of Engineering and Compliance, within seventy-two (72) hours of test.

A static pressure performance test for the Healy clean air separator using both the vacuum decay procedure and the positive pressure procedure shall be conducted to quantify the vapor tightness of the Healy clean air separator tank pressure management system. These tests shall be conducted in accordance with exhibit 4 of CARB Executive Order VR-202-A as a performance test and reverification test. Results shall be submitted to the AQMD, O ce of Engineering and Compliance within seventy-two (72) hours of

A vapor to liquid volume ratio test shall be conducted to quantify the vapor to liquid (v/l) volumetric ratio of the Healy clean air separator system. The test shall be conducted in accordance with exhibit 5 of CARB Executive Order VR-202-A as a performance test and as a reverification test. Results shall be submitted to the AQMD, O ce of Engineering and Compliance within seventy-two (72) hours of test.

A nozzle bag test shall be conducted on the Healy phase II EVR nozzles to verify the integrity of the vapor valve. The test shall be conducted on any newly installed or replaced Healy phase II EVR nozzles and in accordance with exhibit 7 of CARB Executive Order VR-202-A results shall be submitted to the AQMD, O ce of Engineering and Compliance within seventy-two (72) hours of test.

The static pressure leak decay test TP-201.3, shall be conducted in accordance with exhibit 8 of CARB Executive Order VR-202-A verification of completing each step as outlined shall be documented by submitting a copy of exhibit 8 to the AQMD, O ce of Engineering and Compliance within seventy-two (72) hours of test.

An ISD operability test shall be conducted in accordance with exhibit 9 of CARB Executive Order VR-202-A to verify the equipment's operability for vapor containment monitoring and vapor collection monitoring. The test shall be conducted as a performance test and as a reverification test. Furthermore, the ISD operability test shall be conducted immediately whenever a vapor pressure sensor or a vapor flow meter is replaced. Results shall be submitted to the AQMD, O ce of Engineering and Compliance within

The AQMD shall be notified by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909)

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

396-3606 at least seventy-two (72) hours prior to any of the above mentioned testing requirements. Such notification shall include the name of the owner or operator; the name of the contractor; the location of the facility; and the scheduled start and completion dates of the tests to be performed.

The testing for the above mentioned tests shall be conducted in accordance with the most recent Rule 461 amendment or CARB Executive Order requirements, whichever is more stringent.

The vapor return piping shall only use straight length Upp piping and installed in accordance with the manufacturer's instructions and specified conditions as outlined in CARB approval letter #02-13.

All records and test results that are required to be maintained by rule 461 shall be kept on site for five years and made available to District representatives upon request.

[RULE 461, 6-3-2005]

[Devices subject to this condition : D68, D69]

K. Record Keeping/Reporting

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records which clearly identify and locate the methanol compatible storage tank and its piping, such records shall state the tank manufacturer and date of installation.

[RULE 1170, 5-6-1988]

[Devices subject to this condition : D69]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monthly records of the total amount of 100 percent Arsine used. All records shall be prepared in a format which is acceptable to the AQMD

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D83]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Name of person conducting inspection and maintenance of the filter media.

Date, time and results of the inspection.

Date, time and description of repairs made.

Weekly record of pressure drop across the filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D38]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Flow rate of the scrubbing solution, determined and recorded once every day.

Scrubbing solution pH, determined and recorded once every day.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C131]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Name of person conducting inspection and maintenance of the filter media.

Date, time, and results of inspection.

Date, time and description of repairs made.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E143]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

K67.6 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E151]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

An engine operating log shall be kept and maintained on file to record when this engine is started manually. The log shall list the date of operation, the timer reading in hours at the beginning and end of operation and the reason for operation.

By January 15th of each year, the operator shall total and record the total hours of operation (including hours for both manual operation and automatic operation) for the previous calendar year.

All records required by this permit shall be kept in a format that is acceptable to the District, shall be retained on the premises for at least three years and shall be made available to any District representative upon request.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and O set Exemption, 6-14-1996**; RULE 1470, 3-4-2005; **RULE 2012, 5-6-2005]**

[Devices subject to this condition : D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D13, D14, D15, D16, D18, D19, D20, D138, D154, D155, D159, D164]

FACILITY PERMIT TO OPERATE
NASA JET PROPULSION LAB

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

K67.11 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Type of solvent used.

Total quantity of solvent used in any one day and in any one month.

Daily and monthly VOC emissions expressed in pounds per day or month.

VOC content of the solvent.

[RULE 109, 5-2-2003]

[Devices subject to this condition : D158]